



Unified Vision

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 - California Energy Commission – Melissa Jones
 - California ISO – Phil Pettingill
- California Air Resources Board – Kevin Kennedy

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Vision Scope

- Encompass preferred resource types and magnitudes required by law or agency policy decisions
- Address system elements needed to ensure system reliability with an increased penetration of preferred resources
- Encompass concrete objectives for supply, demand, storage and transmission
- State-wide, IOUs and POUs, WECC-wide
- Focused on 2020, with consideration of system requirements and constraints after 2020

The Plan

- Roadmap from present to 2020
- List of current processes, how they fit together, what is missing
- Identify key milestones for elements of Vision and determine critical path items
- Capture interdependencies and uncertainties among Vision objectives
- Potential update of Energy Action Plan that explicitly focuses on GHG-reduction goals



Tracking and Reporting

- Ongoing tracking, updating, and reporting of results
- Identification of additional opportunities
- Updates on how previously identified barriers are being addressed and identification of any new barriers
- Common metrics across the agencies
- Enhancements to current CAT “report card” information

Vision Elements

■ Demand in 2020

- ☐ Efficiency standards, programs, market
- ☐ Demand response
- ☐ Distributed generation / Cogeneration
- ☐ Electrification of transportation coupled with a cleaner energy supply

■ Supply in 2020

- ☐ Statewide 33% renewables target
- ☐ Meet environmental goals and ensure reliability
- ☐ Natural gas generation
- ☐ Carbon capture and storage

Vision Elements

■ Transmission, Distribution, & Operations in 2020

- ☐ Transmission planning and permitting advancements
- ☐ Advanced metering and smart grid technologies
- ☐ Energy storage

■ Additional Supporting Processes

- ☐ Multi-sector state, regional, and/or federal GHG cap-and-trade program
- ☐ Emerging technologies and R&D
- ☐ Climate change adaptation
- ☐ Engage and partner with California's citizens